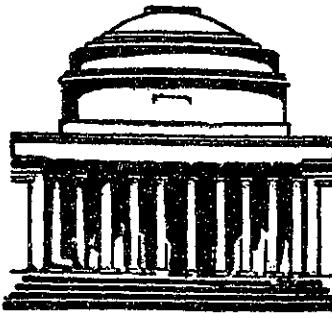


# the Tech



Z-296

Vol. LX, No. 14

CAMBRIDGE, MASS., TUESDAY, MARCH 26, 1940

Price Five Cents

## Commuters Set May 3 As Date For Carnival

Sideshows, Games, Dances To Mark Revival Of 5:15 Show

### MAIN HALL SELECTED

The 5:15 Club's second revival of the old-time All-Tech Carnival is scheduled to be held Friday, May 3, in Walker Memorial, according to an announcement made by Lester W. Gott, '41, the president of the 5:15 club at a meeting of the Board of Directors last night.

The Main Hall, is scheduled to be the midway of the circus, with a dance floor in the center, prize contest booths along the side, peanuts and popcorn stands and a prize exhibit display in one of the corners. Penny arcades to puzzle and test the skill of Institute men and their dates are also to be a part of the affair.

#### Dancing All Evening

The center of the hall will be roped off to allow dancing throughout the evening. The orchestra has not yet been announced by the dance committee. To add to the carnival spirit of the occasion, both jitterbug and waltz contests are to be held during the evening.

The committee is also planning to include a number of games of skill and chance with which to line the walls. Among these games will be dart throwing games, penny tossing competitions, horse-racing games, ring toses and many others which call for a steady eye and steady nerves.

## Girls Entertained At Square Dance

Outing Club Takes Pictures As Mike Freuh Calls All Numbers

For the third time this year, the Outing Club returned to the spirit of pioneer New England by staging an old-fashioned square dance. Girls from the outing clubs of various Boston colleges arrived to join in the fun of the party which was held in Hangar Gym last Friday night.

Edward J. Kingsbury, Jr., '40, and Frank A. McClintock, '42, were present at the dance taking moving pictures of the revelry. They were initiating the Outing Club's new plan for making a permanent record of its activities. Members of Hobbyshop were also present with their newly built stroboscope making pictures of the affair.

#### Caller Fails to Show Up

A professional caller had been engaged for the party, but due to a mistake in the arrangements was unable to do the job. Alfred J. Freuh, Jr., '42, one of the members of the club, took over, and throughout the evening the dancers followed his directions.

## A.E.S. Will Hear Warner In 3-270 This Afternoon

Under the sponsorship of the Aeronautical Engineers Society, the second lecture in the Course XVI lecture series will be given this afternoon at 3 P.M. in Room 3-270. The speaker will be Edward P. Warner, noted authority on aviation, who will talk on "Air Transportation".

Mr. Warner, who has spoken here as a lecturer several times before, was formerly Professor of Aeronautical Engineering at M.I.T., Vice-chairman of the Federal Aviation Commission, and Editor of Aviation Magazine. A fellow of the Royal Aeronautical Society, and of the Institute of Aeronautical Science, he is the second speaker in the series which was opened by Igor Sikorsky last week.

### Walker Memorial Comm. Will Compile Calendar

The Walker Memorial Committee has announced that it has begun to compile the calendar of the 1940-41 edition of the T.C.A. Handbook. The committee requests that any events to be used in the handbook calendar be filed with the committee as soon as possible.

The calendar will include important dances, professional society meetings, dormitory events, committee meetings, class notices, club events, and athletic events. It will extend from September, 1940 to June, 1941.

### Stewart Miller Gets Fellowship Of Tau Beta Pi

#### Technology Senior Is One Of Eight Selected From Entire Country

Stewart E. Miller, '40, has been named as one of the eight Fellows to receive the national Tau Beta Pi Fellowships for the year 1940-41. The eight men were selected from a list of 100 applicants representing most of the leading engineering schools of the country.

The eight awards were made on March 17, 1940 bringing the total to 74 Fellowships granted since the program was inaugurated eleven years ago. A Tau Beta Pi Fellowship carries a stipend of \$650.00, to enable a Fellow to take a year of graduate study at the school of his own selection. This year, of the eight Fellows selected, four have chosen the Massachusetts Institute of Technology as the school at which they will take their graduate work.

#### Tau Beta Pi Is Honor Society

Tau Beta Pi is a national engineering honor society established at Lehigh University in 1885. It is analogous to Phi Beta Kappa, the liberal arts honor society. Tau Beta Pi now has about 30,000 members. The standing of the society's program is indicated by the fact that graduate schools customarily act to remit tuition fees for the society Fellows.

Stewart Miller is now a Senior at Technology, and a candidate for a Master's degree. He is one of those who chose the Institute Graduate School in which to do his graduate work. He is a member of Course VI-A.

## T. C. A. Holds Tech Embassy

### Kitchen Talks Tomorrow On Your Religion In Room 1-390

In order to capitalize on the spirit of piety generated by the Easter season, the T.C.A. will conduct the fourth annual Tech Embassy tomorrow at 5 o'clock in Room 1-190. Wilmer J. Kitchen, executive secretary of the Student Christian Movement of New England, is to speak at the open lecture on the subject "Your Religion".

Professor William H. Timbie, of the department of Electrical Engineering, has been chosen to preside and will introduce the guest speaker. After the open lecture there will be general discussions in the fraternities, in Grill Room, Walker Memorial for the Senior and undergraduate dormitories and in the 5:15 club room the members of the 5:15 Club.

#### Graduate Embassy Tuesday

The Graduate House Embassy will hold its discussion this evening in the Dutch Room of the Graduate House. Rev. Newton C. Fetter, pastor for Baptist students of Greater Boston, will conduct the discussion. W. Montgomery Hearon, G., is chairman of the Graduate House Committee and will be assisted by Frederick R. Henderson, G., and James G. Terrill, G.

The committee for the fraternity delegations consists of George R. Spies, '42, chairman; John L. Rothery,

(Continued on Page 4)

## Military Society Elects Officers

Joseph H. Myers, '41, was elected Captain of the Scabbard and Blade Military Society at the meeting yesterday at 5 P.M. Other officers selected by the members of the Society include: Frank J. Storm, '41; 1st Lieutenant; William K. Hooper, '41, 2nd Lieutenant; and Robert J. Meier, '41; 1st Sergeant.

The Society is organized along the same lines as a company, the officers being given the same rank that they would receive in the army. Last year's officers who were elected at yesterday's election were: George R. Weinbrenner, '40, Captain; Robert G. Fife, '40, 1st Lieutenant; John P. McEvoy, '40, 2nd Lieutenant; and Charles S. Godfrey, '40, 1st Sergeant.

## President Compton Cancels All Classes On Open House Date

### Anderson Says All T.C.A. Pledges Now Redeemable

All the Bursar's pledges which were given in the last T.C.A. Drive and which are as yet unpaid may now be redeemed in the outer office of the T.C.A. at any time during the week before five o'clock.

Over \$200 is still outstanding in these pledges, according to Malcolm M. Anderson, '42, chairman of the drive committee. He requests that all those who for some reason have failed to redeem their pledges, should do so as soon as possible.

### 5:15-Dorm Dance Dates To Choose "King Of Spring"

#### Roy Elwood's Orchestra Is Engaged For Annual Informal

The "King of Spring" is to be chosen at the second annual informal Spring Dance to be held by the joint committees of the dormitories and the 5:15 Club this Friday night in the Main Hall of Walker. The committee who will select the "King" from the handsomest Institute men present will be chosen from the dates of dance committee members.

Roy Elwood, whose twelve-piece orchestra is making its first Boston appearance at this dance, was recently chosen the outstanding band at the Dartmouth Winter Carnival Weekend. He has come directly from a series of touring dates at many colleges throughout the South.

#### Plays Sweet Music

Elwood's orchestra is noted for its smooth style of swing and for its original variations and arrangements.

Tickets for the affair are being sold daily between 12 noon and 2 P.M. in the main lobby of Building 10. Tickets may also be purchased from the members of the committees.

## Junior Engineers Meet Tomorrow

The Junior Engineers, a newly created professional group, will hold its first meeting in Room 2-390 tomorrow at 8:00 P.M. Professor Edward L. Moreland, Dean of Engineering at the Institute, will address the group at this meeting.

This new society is affiliated with the Engineering Societies of New England. The purpose of the group is to enable embryo engineers to establish contacts and participate in discussion groups. General meetings will be held at which topics of special interest to junior engineers, such as licensing and labor relations, will be discussed.

#### Moreland to Discuss Young Engineers

Dean Moreland will discuss the subject "What the Young Engineer Can Expect From Industry and What Industry Expects From the Young Engineer," from the viewpoint of teacher and consulting engineer. Mr. Frank L. Nason, District Manager for New England of the Westinghouse Electric and Manufacturing Company will discuss the subject from the point of view of the Sales Engineer.

All junior engineers, members and non-members of the professional engineering societies, as well as all interested students, particularly Seniors, are invited to attend.

### 11 To 6 Chosen As New Hours For Event

#### Change Will Aid Students In Meeting Guests Of Institute

President Karl T. Compton has requested that Institute classes be suspended on the morning of Open House day, April 27, in order that all students and faculty members may be free to prepare for the reception of the Institute's visitors.

Through the suspension of these morning classes, the Open House program will be able to start at 11 A.M., thus accommodating the visitors coming from a distance, who arrive early in the morning.

#### Open House from 11 to 6

Formerly the exhibits opened at 2:00 P.M. and continued until 9:00 P.M. Under the new arrangements, the hours will be changed to 11:00 A.M. until 6:00 P.M. The new hours, it is expected, will also be more convenient for those in charge of the exhibits.

The recommendation for cancellation of all classes for the day of Open House was made to the administration by the Institute Committee at its meeting held on Thursday, March 14. The motion had already been suggested by the Faculty advisory committee on Open House.

This will be the first time in the history of the Institute that classes have been suspended on the morning of Open House.

## New T. E. N. Story On Absolute Zero

#### Highway Problems And Fire Safety Discussed In Issue

Articles on the Institute's electrostatic generator, the approach to absolute zero, and the work of fire underwriters in searching for greater safety in industry's products are highlights of the March issue of the Tech Engineering News, on sale in the main lobby of Building 10 today.

The opening article, by Jerome T. Coe, '42, discusses the high-voltage work which is being carried on at the Institute by Dr. R. J. Van de Graaf, Dr. L. C. Van Atta, Dr. C. M. Van Atta and D. L. Northrup. The equipment

(Continued on Page 4)

## Physical Society Elects Don Cameron, President

Donald B. Cameron, '41, was elected president of the Physical Society at its meeting yesterday at 5 P.M. in Room 8-105. Frederick T. Haddock, Jr., '41 was chosen vice-president at the same meeting.

Other officers chosen by the members of the society were: George H. Vineyard, Jr., '41, secretary-treasurer; William H. Cherry, Jr., '41, Senior classman; and Peter W. Hellige, '42, Junior classman. The election of sophomore class representative was deferred till a later meeting. During the meeting, the members discussed the part that they will take in the program of the coming Open House.



Professor Arthur C. Hardy, inventor of the Spectrophotometer method of color analysis which has revolutionized the use of color in industry.

# The Tech

Vol. LX Tuesday, March 26, 1940 No. 14  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
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Night Editor: Robert P. Richmond, '43.

## BREAD AND WITHOUT

A report was read at the meeting of the Institute Committee on November 17, 1932. The report was submitted by a "Walker Investigation Committee," appointed by the Institute Committee to probe the Walker Memorial Dining Service.

At that time service and food at Walker had reached that state where patronage was dropping off daily. The committee was formed to look into the situation and recommend changes.

The members of the committee did this. They ate twenty meals a week in Walker for a period of four weeks. They sounded out student opinion. And then they submitted their report.

Since that time, over seven years ago, the defects made evident by the following suggestions and criticisms of the committee, apparently have not been remedied:

1. Inspect the silver, glassware, and dishes before being used.

2. Allow the water glasses to cool before being used.

3. Use larger dinner plates, and use sectional dinner plates.

4. Put spoons in all the sugar bowls.

5. Put ash trays on all the tables and more than one on the round tables.

6. The seasoning and flavoring of the foods leaves much to be desired. The majority of questionnaires would indicate that the patrons like their food with more seasoning or whatever is necessary to eliminate its TASTELESSNESS.

7. The food is generally cold at the end of the serving period.

8. It would seem that there is an excess of foreign matter in the food.

9. The food lacks an appetizing appearance.

10. The attitude of the personnel of the cafeteria is not one of selling the place and the food to the prospective customer.

11. Taste the food before it is put on the counter.

These items are still hanging fire. Of the 28 other suggestions made at that time, twelve did receive attention. This investigation was not the only medium through which

the Walker Dining Service learned of its shortcomings which have been topics of student discussion for years. The members of the Dormitory Committee, furthermore, each month are invited to voice their complaints to the Dining Service. Time has also been given to the Service to remedy its defects. Seven years surely ought to have sufficed.

The Walker Memorial Dining Service in operation as a strictly competitive cafeteria would have to shut down. The guaranteed clientele consisting of many of the dormitory residents is its salvation. If these steady patrons should obey the dictates of their appetites, should Walker be forced to compete with real restaurants and cafeterias, a drastic and immediate reorganization soon would be brought about.

Correcting the situation seems to be difficult. A customer complaint, the usual cause for improving conditions in a restaurant, doesn't seem to work. An investigation by the Institute Committee only brings partial satisfaction—enough, evidently, to quiet the complainers for a time.

A new committee, appointed by the Institute Committee, however, might get Technology some improved dining conditions. After finishing its probe of the Service, the committee should make its recommendations to the Institute Corporation. A revision is apparently needed and somebody, informed of the need, and which is empowered to swing the deal, must be informed of the situation as the students see it.

## USELESSNESS

The approach of the time for class elections brings students naturally to the consideration of the various class offices and possible candidates for them.

Under the present system of undergraduate election rules, the two men of the presidential field receiving the greatest number of votes are made respectively president and vice-president. Thereafter, the president has a thousand things to do, the vice-president none. The latter, just as good a man presumably as the president, must sink into oblivion.

This system should be altered. The vice-president should be given something to do which his qualifications indicate he could do with skill. An Institute Committee job might do the trick.

## THE READER SPEAKS

Editor. The Tech:

Much of the present U. S. "peace offensive" seems to consist in a number of emotionalistic and unsupported statements. It is fully as much propaganda as are the efforts of other nations to get us into war, in the sense that they are highly colored appeals, not to our reason but to our emotions. The undeniable fact that appeals to the emotions are the only way to stir a large body of people into action does not excuse the palpably undemocratic methods now being used to drag this country away from war.

In no reputable moral code is the value of an end recognized as justifying any means to that end. Granted that peace is a desirable end; still, the means now being used to reach that end are not justified. Hitler may have a quite worthwhile end in mind for the German people, and he feels that the end justifies the means. In general, we don't.

Peace is undoubtedly desirable. However, what are we going to do if Germany allied with Italy and Russia should come very close to winning this war in Europe? Our theory and practise of government will then be very definitely threatened. That is a fact, and we must face it. Now, is unconditional peace compatible with this possibility? There are other possible eventualities which could place us in an equally uncomfortable situation.

We all want peace; but we cannot say "By golly, war is so horrible that peace is preferable at any price." The situation just does not warrant such an attitude.

We must think and plan for peace, but in an intelligent manner. Atrocity pictures and highly colored, highly biased descriptive matter may induce an unhealthy horror of war, but they will most certainly not induce a rational and common-sense attitude toward peace.

Mr. Sussman's challenge is accepted on condition that he arrange all details of the meeting, and that he not strictly limit the discussion to the topic specified but allow it to develop as it most likely will.

JOHN G. BURR, JR.

## Reviews and Previews

### STAGE

International Incident. Ethel Barrymore, Kent Smith, Catharine Doucet, Cecil Humphreys. A new comedy by Vincent Sheean, opened last night.—WILBUR.

Mulatto. Mercedes Gilbert, Curtis Cooksey, Miriam Battista, Ray Parker. A stirring presentation of the problems of those people who are—as the title suggests—mulattos, outcasts of both the white and black races.—COPLEY.

King Richard II. Maurice Evans and a company of forty present this Shakespearean forte for a week's run.—COLONIAL.

Higher And Higher. Jack Haley, Martha Eggert, Shirley Ross, Leif Erickson, Lee Dixon. A riot set to music narrating the trials and tribulations of a housemaid masquerading as an heiress.—SHUBERT.

### SCREEN

Rebecca. Laurence Olivier, Joan Fontaine. A gripping dramatization of the best selling novel by Daphne Du Maurier. Outside 3-Mile Limit. Jack Holt. Well! Well!—LOEW'S STATE & ORPHEUM.

Pinnocchio. "Better than 'Snow White,'" say the critics. A must. Millionaire Playboy. Joe Penner. "Wanna buy a duck?"—KEITH MEMORIAL.

Road To Singapore. Bing Crosby, Bob Hope, Dorothy Lamour. With these three in the picture, you can't go wrong. This one's a turnabout—Crosby does a hula in a sarong. Women Without Names. Ellen Drew, Robert Paige. Sort of a crazy title, isn't it?—METROPOLITAN.



Lecturer at Sea Again

"You mustn't accept formula blindly," the professor droned to his somnolent class. "They are no good unless you know what they mean; you must analyze them." "Why," he continued, "look at that formula on the board: how do you know whether it's right or not?" "How do you know?" he thundered in the surging crescendo of a rhetorical question, "that it is no just something on a piece of paper?" But his look of indignation as he made his rhetorical pause changed to one of blank amazement as 150 students let out a roar of laughter and rocked in their seats. Timidly he went on for the rest of the hour, unnerved by the general sense of humor, and again lethargy settled over the room.

### Given the Bird

A certain local Sophomore popped up at a certain Wellesley Formal with a new note in corsages. To his surprised date, he handed two peepin' purple and red chicks, and a container of chick food.

The birds were deposited in one of the dormitory rooms and the dance swept on. But a telephone call to our hero the next morning contained information that the birds, sad to say, had not been previously house broken.

## The Massachusetts Institute of Technology

CAMBRIDGE, MASSACHUSETTS

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers the following Professional Courses:

### SCHOOL OF ARCHITECTURE

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City Planning

City Planning Practice

### SCHOOL OF SCIENCE

Biology and Public Health

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Biology and Public Health

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Engineering

Chemistry

General Science

Geology

Options: Geology

Mineral Resources

Mathematics

Physics

Options: General Physics

Applied Physics

### SCHOOL OF ENGINEERING

Aeronautical Engineering

Electrical Engineering

Building Engineering and Construction

Cooperative Course

Business and Engineering Administration

General Engineering

Options:

Engineering based on Physical Sciences

Mechanical Engineering

Engineering based on Chemical Sciences

Cooperative Course

Chemical Engineering

Metallurgy

Chemical Engineering Practice

Naval Architecture and Marine Engineering

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Engineering

Electrical Engineering, including

Sanitary Engineering

Options:

Illuminating Engineering

Textile

Electrical Communications

Mechanical Engineering

Metallurgy

Naval Architecture and Marine Engineering

Engineering

Electrical Communications

Sanitary Engineering

Each of the above undergraduate Courses is of four years duration, with the exception of Architecture, City Planning, Biophysics and Biological Engineering, and the cooperative Courses in Electrical Engineering and in Mechanical Engineering, which extend over a period of five years, and City Planning Practice which covers a period of six years. In addition to the Bachelor's degree, the above five and six year Courses, with the exception of Architecture and City Planning, lead also to the Master's degree.

Graduate study, leading to the Master's and Doctor's degrees, is offered in Ceramics, Meteorology, and in most of the above professional Courses.

A five year Course is offered which combines study in Engineering or Science, and Economics. This leads to the degree of Bachelor of Science in the professional field, and to the degree of Master of Science in Economics and Engineering or Economics and Science.

The Summer Session extending from June to September includes many of the undergraduate subjects given during the academic year.

For information about admission, communicate with the Director of Admissions.

Any of the following publications will be sent free on request:

Catalogue for the academic year

Summer Session Bulletin

Educational Opportunities at the Massachusetts Institute of Technology

# VARSITY FOOTBALL AUTHORIZED

## BEAVER TALES

By Jack Quinn

Stimulated by last fall's special Institute Committee appropriation, the current drive for Beaver participation in intercollegiate football passed another milestone with the announcement of the Advisory Council's approval of a varsity team for next year.

One thousand dollars was the sum voted last year for equipment to be used by the then newly organized Junior and Senior class teams. And those forty-four suits are now to be used by the first Engineer grid varsity since 1903. It was student opinion aroused by such supporters as Val Deolloqui and Dave Heskett and expressed in the chambers of the Institute Committee that made possible the completion of the first step in the drive. It will take continued student support, however, to finish the program and set Technology permanently in the intercollegiate football picture.

### FOOTBALL INTEREST

The men of 1940 and 1941 have displayed active interest already by the manner in which they gobbled up those forty-four suits last fall. Although almost all of those Juniors played good hard football, we remember particularly the sustained plunging of Bill Cadogan in that game with the Tufts jayvees. In the interclass league, it was Irv Meyer who stood out as he made a shoestring catch of an after-touchdown pass to give the Juniors a 7-6 win over the Sophs and the school championship.

Mike Hook, former William and Mary first string tackle, drove hard for the Class of 1942 during that past season, also, and may be considered well up in the list of next year's prospects. Pete Sibley, at end, and Dave Christison and Bob McBride, in the backfield, are easily varsity material for next year's club.

### WHY NOT '43?

Juniors and Seniors only are to be allowed to play varsity ball, according to the present regulations. Why not allow the sophomores, some of whom did very well with the freshman team on Field Day, to compete for positions on the squad? If the major objection is that the Field Day football game will be disrupted, we would like to point out the fact that the first game is scheduled for October 19, one week before the Frosh-Soph fracas. Why not let the '43 club join the varsity after Field Day and participate in the remaining games?

### ARE YOU TOUGH?

Wrestling-minded fans have it that freshman names should predominate when the wins are counted in the All-Tech Wrestling Tournament next month. Coach Joe Rivers has offered instruction, however, to any student desiring to brush up on his wrestling. Weekday afternoons from 4:00 to 6:00 the stocky mentor and members of his varsity are available in the Hangar, anxious to give their help. Take our personal advice, though, and don't ask them to help you make weight.

Let's hope that our announcement of the fact that the entries thus far have not produced any outstanding favorites in the 128, 136, 145, and 155-pound classes, will draw in some dark horses.

Unpleasant news is the fact that Johnny Carleton and freshman Bob Fettes will not grapple. Carleton, a Sophomore, has declined to enter, while Fettes, brother of regular Ed Fettes, is recuperating from an appendectomy. Next week, however, we intend to go out on the limb with some predictions that should surprise not a few Beaver wrestling fans.

## Beaver Key King May Be Crowned On April Third

### 5:15 Club Must Down Chi Phi To Cinch Title; Chi Phi Splits Two

The 5:15 Club hoopsters will stack up against Chi Phi at 7:30 P.M. on Wednesday, April 3, in the Hangar Gym in a game which, in view of week-end developments, may determine the champion of the Beaver Key Tournament.

Having already defeated Sigma Alpha Epsilon and Senior "A" in the play-off series, the commutes need only this one remaining victory to cinch the championship. All the other teams in the round-robin have been defeated at least once.

#### Chi Phi Splits

The Chi Phi squad split two games over the week-end, losing to Senior "A" 34-21 on Saturday and edging out SAE 22-19 on Sunday.

Although the score was close all through Sunday's tilt, the Chi Phi five was never headed. In one of the roughest matches of the series, the Chi Phi's zone defense stymied each of Sigma Alpha Epsilon's serious scoring thrusts. Jack Quinn's follow-up shot in the final minute of play cinched the contest.

#### High Men

"Big Jim" Shipman and Howard "Stringer" Gleason led Chi Phi scoring with 8 points apiece, while Quinn placed next with 4 points. Bill Burke was the big gun in the SAE offense. In Saturday's game, the Senior "A" team outclassed the befuddled Chi Phi five to lead comfortably all the way. Gary Wright's dribbling and general offensive performance was outstanding in the Senior's play.

## Varsity Riflers Make New Mark

### Lewis Leads Rifle Varsity In Win Over Berkeley Shooting Team

In the final dual match of the season, the Varsity Rifle Team defeated the Beverly Rifle Team last Friday evening by a record-breaking score of 933 to 901, surpassing the previous record made in 1936 by nineteen points.

High scorer in establishing this new record was Jean Lewis, '40, with a score of 98 prone and 93 standing for a total of 191, itself a new two position individual record, with his 93 standing score tying the former Technology standing record.

#### Second Place in League

This victory brings the team's season record to nine wins and seven defeats, the team gaining a second place in the twelve team New England College Rifle League, and second place in the fourteen team Hearst Trophy competition.

Last Saturday morning in the Interclass match, the Class of 1942 triumphed with a score of 1315, second place went to the Class of 1940, the freshmen were third and the Class of 1941 last.

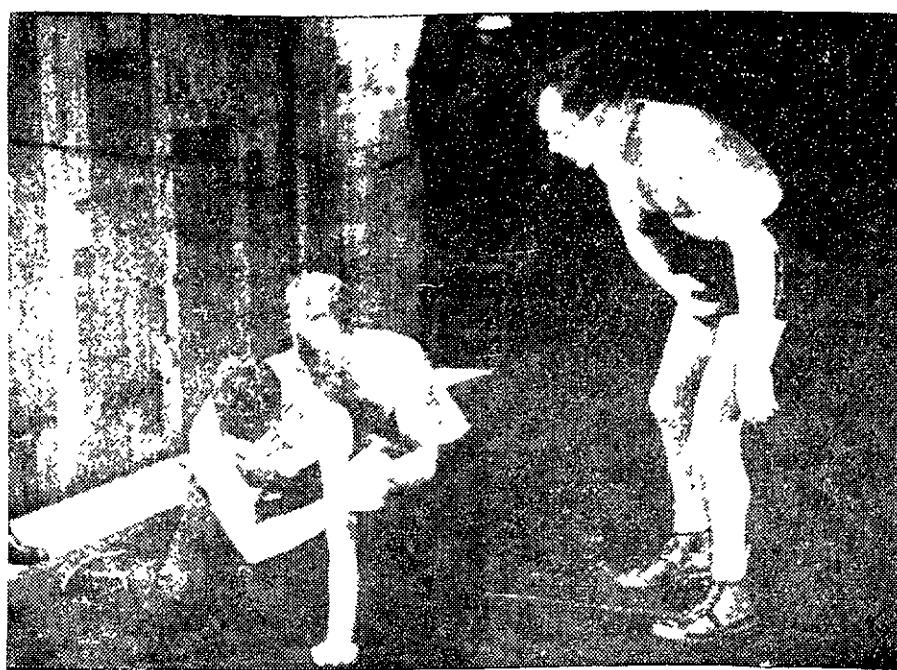
## Weather Hinders Crews, But Varsity Hits Water

Although handicapped by the unusual weather, the Tech crews have been hitting the water every evening. Varsity boats, which Coach Bob Moch described as "rough, ready, and tough" are as follows:

First Boat	Second Boat
Garin	S
Shaw	7
Howard	6
Doskups	5
Folberth (C)	4
Phaneuf	3
Hustvedt	2
Vetter	1
Wengenroth	C

Second Boat
Vyverberg
Morse
Mueller
Guthring
McGuire
Church
Van Nyugen
McKeeeney
Biancardi

## PREPARING FOR MAT TOURNAMENT



*Staff Photo*  
Coach Joe Rivers, being assisted by varsity man George W. Carrick, instructs John B. Mackenzie, entry in the All-Tech Wrestling Tournament, in the procedure of getting out from the underneath spot of the referee's position.

### Wrestling Tourney Deadline Set

April 2

### Coach Joe Rivers Anticipates Rough And Ready Candidates

"If you are tough, you now have a chance to prove it," asserted coach Joe Rivers as he commented on the 1940 All-Tech Amateur Wrestling Championships which will be held during the first week in April in the Hangar Gym. That the prizes of gold, silver, and bronze metals will draw out the "Tough Hombres" of the Institute was the opinion of the chunky coach when he viewed the shiny disks for the first time.

The preliminary bouts will be held April 3, 4, and 5, at 4:00 P.M., with the final to take place the following day at 2:30 P.M. All undergraduate students are eligible except those who have won their varsity letter in wrestling or have won a first place in a previous All-Tech Wrestling Tournament.

#### Deadline April 2

There will be the official weight classes which range from 121 to unlimited. The deadline for entering is April 2, at 6:00 P.M. To enter it is necessary to sign up on the wrestling bulletin board in the Hangar gym before the deadline.

At the present date, those who have entered are as follows:

121-pound—Sullivan, Tyrell; 128-pound—Milman; 135-pound—Liong and Schwartzman; 145-pound—Mackenzie, Davis and Gutlog; 155-pound—D. Schaeffer, Lotz and Schade; 165-pound class—Sibley, Eisenberg, and Brindis; 175-pound class—Shamban, Byfield; unlimited—R. Schaefer, Moore.

### Coach Maddux Predicts A Better Lacrosse Season

With a squad of thirty-five out for lacrosse, Coach Bob Maddux expects a definite improvement over last year's schedule. Ten lettermen and twelve numeral freshmen have reported for practice.

The schedule is as follows:

April 13 Stevens  
April 21 New Hampshire  
April 27 Springfield  
May 1 Harvard  
May 4 Dartmouth  
May 11 Williams  
May 18 Tufts

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## One Year Trial Voted By The Advisory Council

### Only Juniors And Seniors Given Permission To Play

Varsity football, with Juniors and Seniors participating, has been authorized by the Advisory Council of the Athletic Association, it was announced last night.

This permission, granted for a trial period of one year, comes after much student campaigning for recognition of this sport.

#### Schedule Announced

Manager Will Compton, '41, has definitely lined up four contests for the new Beaver eleven. Massachusetts State Teacher's College, at Hyannis, will furnish the opposition October 19; Thayer Academy of Braintree on November 2; Tufts Junior Varsity on November 16; and the powerful Boston University Freshmen on November 22. No home games have yet been scheduled but an open date, October 26 is expected to be filled with a game on the Briggs gridiron.

Lieutenant Stanley T. Wray, of the Military Science Department, and former All-American while at the United States Military Academy, has volunteered his services as coach for the Beaver squad. In case Lieutenant Wray is not available, the officer who would succeed him at the Institute, who is now head of post athletics in Hawaii, will take over the coaching duties.

### Sports Writer May Be Speaker At Track Rally

A well-known sports writer is expected to be guest speaker at the 1940 Spring Track Rally to be held on the roof of Briggs Field House at 5:00 P.M. Monday, April 1st.

Lester Gott, '41, will present the 5:15 Spring Interclass Cup to Coach Oscar Hedlund in the presence of Vernon Kyllonen, '40, varsity track captain, and Stanley Backer, '41, varsity cross country captain-elect, both members of the 5:15 Club.

The rally marks the opening of 1940 outdoor track season and is open to all men interested in freshman or varsity track.

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## CALENDAR

## TUESDAY, MARCH 26

3:00 P.M. A.E.S. Lecture, "Air Transportation"—Room 3-270.  
 6:00 P.M. Graduate House Embassy—Dutch Room, Graduate House.  
 7:30 P.M. Eta Kappa Nu Smoker—Craft's Lounge, Senior House.

## WEDNESDAY, MARCH 27

5:00 P.M. Fourth Tech Embassy, "Your Religion"—Room 1-190.  
 5:45 P.M. Graduate House Dinner—Graduate House.  
 8:00 P.M. Junior Engineers Meeting, Dean Moreland Speaker—Room 2-390.

## THURSDAY, MARCH 28

8:00 P.M. Christian Science Lecture—Room 6-120.

## Uncle Sam Hopes Joe College Wont Play Hookey From Census

Uncle Sam is worried that Nephew Joe College may get lost in the shuffle when the Sixteenth Decennial Census of the nation's population is taken next month. It has been Uncle Sam's experience that while absence makes the heart grow fonder, it also makes the mind forgetful.

He would like all college students, in their monthly petition for more funds, to remind the family to think of them for the census when the man who comes around, comes around. Further, he would like all students, including commuters, to provide their parents with a complete knowledge of their employment, if any.

## Complex Questions Asked

Because of the complexity of this year's census, probably the most controversial in history, explicit information along certain lines is absolutely necessary. Several queries on which parents are most likely to be uncertain are these:

Number of hours you worked during the week of March 24-30, 1940. If not at work or seeking work, does the student have a job or business, from which he is temporarily on vacation, sick leave or lay-off? (Students starting their Easter vacation very early may belong in this group.)

Students who do not have permanent home residences other than the

one which they occupy while at school will be tabulated at school. All others should be tabulated by their parents.

Emergency work such as NYA or cramming for a conditional should not fail to be tabulated. Reporting to the census is required by law, but the same law protects those giving answers against disclosure of individual returns or their use for taxation.

## T. E. N.

(Continued from Page 1)

used and what has been accomplished is illustrated.

Professor Frederick G. Keyes, head of the Chemistry department, has written an article telling of the achievements and aims of the group which is working with temperatures close to absolute zero. He has stated the reasons for believing that absolute zero is a true concept and that it is attainable.

B. P. Caldwell, assistant secretary of the Underwriters' Laboratories, Inc., tells of what industry is doing to reduce dangers to consumers from fire, accident or crime hazards. and Harvey Freeman, '43, has written an article reviewing the highway problems of the country and the suggestions which have been made for im-

## Hardy

(Continued from Page 1)

find time to see them despite his many consulting contacts with industry, his activities in scientific societies, and

Oddly enough it was the World War that started Dr. Hardy on his career in the field of color, optics, and photography. Enlisting in the Army soon after his graduation from the University of California, he was sent to Rochester, New York, where

he helped to organize a school of aerial photography.

## Joins Air Service

After serving several months as an instructor, he was placed in command of the 23rd Photographic Section of the Air Service and sent to France. "Although we didn't see much action," declared the Professor, "the experience made me think seriously of optics and photography as a career."

Professor Hardy's versatility is well exemplified by the fact that, despite this army experience in the World War, he is now a Lieutenant Commander in the Naval Reserve. When anyone comments on the situation, he merely smiles and says: "Just training for the Marine Corps."

## Revolutionized Color Analysis

Perhaps the most important achievement of Professor Hardy in the scientific world, and one which revolutionized the methods of color analysis, was the development of the recording spectrophotometer. This instrument accurately measures and records the color of any sample by completely automatic means. "Since the instrument was first placed in operation in the Technology color measurement laboratory," declared the Professor, "we have been called upon to measure the color of almost every possible object or surface."

Illustrating the variety of uses to which his apparatus has been put, he showed the reporter clippings showing that the Walt Disney studios employ spectrophotometry to make sure that the 'color of Mickey Mouse's pants won't change' throughout the 50,000 cartoons that are put together to make one reel of film.

## T. C. A.

(Continued from Page 1)

'42, and Alfred E. Castle, '40. The Senior House committee is composed of Philip A. Stoddard, '40, chairman, and Richard R. Braunlich, '40.

## Fiskin with Dormitory Group

Major Archibald D. Fiskin, of the department of Military Science, will lead the discussion for the dormitory and Senior House groups.

Rev. C. N. Arbuckle will conduct the 5:15 Club discussion to be held in the club room, according to Richard P. Gillooly, '42.

A partial list of the ambassadors chosen to conduct the bull session dinners at the various houses includes: Rev. Gilbert Lovell; Mr. Robert DeWitt; Rev. Phillips E. Osgood; Rev. Norman D. Goehring; Rev. Newton C. Fetter; Rev. Father Daly; Monseigneur Richard A. Quinlan; Mr. Wilmer J. Kitchen; Dean Robert G. Caldwell; Professor William H. Timbie; Rev. Charles M. Arbuckle; Major Archibald D. Fiskin; Rev. H. M. Gesner, Jr.; Rev. Bernard L. Rice; Rev. Robert McC Hatch; Rev. Boynton Merrill; Dr. Swain; Professor Karl L. Wildes; and Wallace M. Ross.

## Ambassadors Receive Instructions

The ambassadors will meet at 4:15 tomorrow in the Faculty and Alumni Room in Walker Memorial where Mr. Wilmer J. Kitchen will give instructions as to how the discussions are to be conducted. At five o'clock they will go to Room 1-190 where the public lecture is to be held.

After the lecture the ambassadors will go with the representatives to the house where they will be served dinner. Following the dinners the ambassadors will introduce the evening's discussion on the theme of the Embassy.

## Election Notice

The Elections Committee makes the following announcement tonight:

Nomination blanks for class officer positions will be available on the table opposite the Cashier office by Wednesday, March 2. They are to be returned to the box on the same table between 8:30 A.M. and 5:00 P.M., Wednesday, April 3, and 8:30 A.M. and 1:00 P.M., Thursday, April 4.

Nominees are requested, but not required to submit the following material to the Elections Committee:

1. Cumulative Rating
2. Activity Record at M.I.T. in tabular form
3. 4x5 photograph

The nominations are for president, secretary-treasurer, and two Institute Committee members from each class, and three Senior Class marshalls. Twenty-five (25) signatures are required for each nominee. No one may sign blank for more than one man for president and secretary-treasurer, two men for the Institute Committee and three men for Senior class marshalls.

The elections will be held Wednesday, April 10.

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